

**Amendments to the Specification**

Please replace the paragraph on page 1, lines 1-7 with the following:

This U.S. Patent Application is a Continuation-In-Part of U.S. Patent Application Serial Number 09/290,353 filed on April 12, 1999, now abandoned and which claims the benefit of the December 23, 1998 filing date of Provisional U.S. Patent Application Serial Number 60/113,608. This application is related to U.S. Patent Applications entitled Method for Transmitting a Signal on a Network and Method for Changing Signal Modulation Based on Analysis of Powerline Conditions which were both filed on June 28, 2000.